iiyama
Vision&Technology

USER MANUAL

ProLite

LCD Monitor

ProLite XB2485WSU
ProLite X2485WS

Thank you very much for choosing the iiyama LCD monitor.
We recommend that you take a few minutes to read carefully through this brief but comprehensive manual before installing and switching on the monitor. Please keep this manual in a safe place for your future reference.

ENERGY STAR

iiyama | Servicecard

VALUE FOR MONEY · iiyama · Get more for less · Get more for less · Get more for less · Get more for less

AWARD-WINNER · iiyama · Tested and approved · Tested and approved · Tested and approved

Dear user, we congratulate you on the purchase of your iiyama LCD.

For details on warranty and locally used pixel policies that apply directly after installation of your product please check the iiyama website.

To report a fault, please contact your local support centre found at www.iiyama.com/service

Things to check before you call the iiyama information line

| if the power cable is connected securely and turned on?

| if the display has been turned on?

| if the signal cable is connected securely and the correct input selected?

| if the computer has been restarted with the display connected?

| if the graphics card is correctly installed with the latest drivers possible?

| if the correct native resolution has been selected via 'Display Properties'?

| If the R/G/B signal configuration is correct?

| if the displays On Screen Menu is shown?

| if the correct brightness and contrast settings have been set?

| if given display tolerances and compatibility have been considered?

| if via the On Screen Menu you have performed a Factory Reset/Recall?

Before reporting the screen defect, please prepare the following information/evidence:

| model number *

| purchase receipt and serial number *

| name and address for collection

| telephone/fax number, for availability during the day

| convenient collection date (date, time)

| short description of the defect

Important Note:

If there is no fault found in the collected equipment after inspection,
the transferring party shall incur charges for transport and administration.

If you have checked all of the above and there is still no picture, call our information line for assistance in your country.

* see the identification plate on the back of the case.

iiyama

Congratulations!

This display is designed for both you and the planet!

ENGLISH

CE MARKING DECLARATION OF CONFORMITY

This LCD monitor complies with the requirements of the EC Directive 2004/108/EC "EMC Directive" , 2006/95/EC "Low Voltage Directive" and 2009/125/EC "ErP Directive".

The electro-magnetic susceptibility has been chosen at a level that gives correct operation in residential areas, business and light industrial premises and small-scale enterprises, inside as well as outside of the buildings. All places of operation are characterised by their connection to the public low voltage power supply system.

IIYAMA CORPORATION: Breguetlaan 8, 1438BC Oude Meer The Netherlands

An approved power cord greater or equal to H05VVF, 3G, 0.75mm2 must be used.

For displays with glossy bezels the user should consider the placement of the display as the bezel may cause disturbing reflections from surrounding light and bright surfaces.

We recommend recycling of used product. Please contact your dealer or iiyama service center. Recycle information is obtained via the Internet, using the address: http://www.iiyama.com
You can access the Web page of different countries from there.

- We reserve the right to change specifications without notice.
- All trademarks used in this user manual are the property of their respective owners.
- As an ENERGY STAR® Partner, iiyama has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

TABLE OF CONTENTS

ENGLISH

FOR YOUR SAFETY

SAFETY PRECAUTIONS

WARNING

STOP OPERATING THE MONITOR IF YOU ARE AWARE OF ANY PROBLEMS

If you notice any abnormal phenomena such as smoke, strange sounds or fumes, unplug the monitor and contact your dealer or iiyama service center immediately. Further use may be dangerous and can cause fire or electric shock.

NEVER REMOVE THE CABINET

High voltage circuits are inside the monitor. Removing the cabinet may expose you to the danger of fire or electric shock.

DO NOT PUT ANY OBJECT INTO THE MONITOR

Do not put any solid objects or liquids such as water into the monitor. In case of an accident, unplug your monitor immediately and contact your dealer or iiyama service center. Using the monitor with any object inside may cause fire, electric shock or damage.

INSTALL THE MONITOR ON A FLAT, STABLE SURFACE

The monitor may cause an injury if it falls or is dropped.

DO NOT USE THE MONITOR NEAR WATER

Do not use where water may be splashed or spilt onto the monitor as it may cause fire or electric shock.

OPERATE UNDER THE SPECIFIED POWER SUPPLY

Be sure to operate the monitor only with the specified power supply. Use of an incorrect voltage will cause malfunction and may cause fire or electric shock.

PROTECT THE CABLES

Do not pull or bend the power cable and signal cable. Do not place the monitor or any other heavy objects on the cables. If damaged, the cables may cause fire or electric shock.

ADVERSE WEATHER CONDITIONS

It is advisable not to operate the monitor during a heavy thunder storm as the continual breaks in power may cause malfunction. It is also advised not to touch the plug in these circumstances as it may cause electric shock.

CAUTION

INSTALLATION LOCATION

Do not install the monitor where sudden temperature changes may occur, or in humid, dusty or smoky areas as it may cause fire, electric shock or damage. You should also avoid areas where the sun shines directly on the monitor.

DO NOT PLACE THE MONITOR IN A HAZARDOUS POSITION

The monitor may topple and cause injury if not suitably located. Please also ensure that you do not place any heavy objects on the monitor, and that all cables are routed such that children may not pull the cables and possibly cause injury.

MAINTAIN GOOD VENTILATION

Ventilation slots are provided to keep the monitor from overheating. Covering the slots may cause fire. To allow adequate air circulation, place the monitor at least 10 cm (or 4 inches) from any walls.
Do not remove the tilt stand when operating the monitor. Ventilation slots on the back of the cabinet will be blocked and the monitor may overheat if the stand is removed. This may cause fire or damage. Operating the monitor on its back, side, upside down or on a carpet or any other soft material may also cause damage.

DISCONNECT THE CABLES WHEN YOU MOVE THE MONITOR

When you move the monitor, turn off the power switch, unplug the monitor and be sure the signal cable is disconnected. If you do not disconnect them, it may cause fire or electric shock.

UNPLUG THE MONITOR

If the monitor is not in use for a long period of time it is recommended that it is left unplugged to avoid accidents.

HOLD THE PLUG WHEN DISCONNECTING

To disconnect the power cable or signal cable, always pull it by the plug. Never pull on the cable itself as this may cause fire or electric shock.

DO NOT TOUCH THE PLUG WITH WET HANDS

Pulling or inserting the plug with wet hands may cause electric shock.

WHEN YOU INSTALL THE MONITOR ON YOUR COMPUTER

Be sure the computer is strong enough to hold the weight of the monitor, otherwise, you may damage your computer.

CAREFUL! PROTECT YOUR HANDS AND FINGERS

■ Be careful not to hurt your fingers or hands when you change the height or the angle.
■ Injury can occur if care is not taken to avoid finger contact with the displays base when adjusting the height. (Just for height adjustable model.)

DO NOT USE THE MONITOR FOR 24-HOURS CONTINUOUSLY

The monitor is not designed to work for 24-hours continuously, do not use the monitor for 24-hours continuously.

OTHERS

ERGONOMIC RECOMMENDATIONS

To eliminate eye fatigue, do not operate the monitor against a bright background or in a dark room. For optimal viewing comfort, the monitor should be just below eye level and 40-60 cm (16-24 inches) away from your eyes. When using the monitor over a prolonged time, a ten minute break every hour is recommended as looking at the screen continuously can cause eye strain.

SPECIAL NOTES ON LCD MONITORS

The following symptoms are normal with LCD monitors and do not indicate a problem.

NOTE
- When you first turn on the LCD monitor, the picture may not fit in the display area because of the type of computer that is used. In this case, adjust the picture position to the correct position.
- Due to the nature of the backlight, the screen may flicker during initial use. Turn off the Power Switch and then turn it on again to make sure the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- Due to the nature of the LCD screen, an afterimage of the previous screen may remain after switching the image, when the same image is displayed for hours. In this case, the screen can be recovered slowly by changing the image or turning off the Power Switch for some hours.
- Contact your dealer or iiyama service center for the backlight replacement when the screen is dark, flickering or not lighting up. Never attempt to replace it by yourself.

CUSTOMER SERVICE

NOTE
- If you have to return your unit for service and the original packaging has been discarded, please contact your dealer or iiyama service center for advice or replacement packaging.

CLEANING

WARNING
- If you drop any materials or liquids such as water into the monitor when cleaning, unplug the power cable immediately and contact your dealer or iiyama service center.

CAUTION
- For safety reasons, turn off the power switch and unplug the monitor before you clean it.

NOTE
- To protect the LCD panel, do not scratch or rub the screen with a hard object.
- Never use any of the following strong solvents. These will damage the cabinet and the LCD screen.

Thinner	Spray-type cleaner
Benzine	Wax
Abrasive cleaner	Acid or Alkaline solvent

- Touching the cabinet with any product made from rubber or plastic for a long time may cause degeneration or loss of paint on the cabinet.

CABINET   Stains can be removed with a cloth lightly moistened with a mild detergent solvent. Then wipe the cabinet with a soft dry cloth.

LCD   Periodic cleaning with a soft dry cloth is recommended.
SCREEN   Don't use tissue paper etc. because these will damage the LCD screen.

BEFORE YOU OPERATE THE MONITOR

FEATURES

◆ **Supports Resolutions up to 1920 × 1200**

◆ **High Contrast 1000:1 (Typical), Adv. Contrast Function Available / Brightness 300cd/m^2 (Typical)**

◆ **Digital Character Smoothing**

◆ **Automatic Set-up**

◆ **Stereo Speakers**
   2 × 1.5W Stereo Speakers

◆ **Plug & Play VESA DDC2B Compliant**
   Windows® 95/98/2000/Me/XP/Vista/7 Compliant

◆ **Power Management (ENERGY STAR® VESA DPMS Compliant)**

◆ **Ergonomic Design TCO Certified**

◆ **VESA Mounting Standard (100mm×100mm) Compliant**

◆ **Keyhole for Security Lock**

CHECKING THE CONTENTS OF THE PACKAGE

The following accessories are included in your package. Check to see if they are enclosed with the monitor. If anything is missing or damaged, please contact your local iiyama dealer or regional iiyama office.

■ Power Cable*[1]   ■ D-Sub Signal Cable   ■ DVI-D Signal Cable
■ USB Cable*[2]   ■ Audio Cable   ■ Stand-Base
■ Screw for stand fixing*[2] ■ Cable Holder   ■ Safety Guide
■ Quick Start Guide

CAUTION   *[1] The rating of the Power Cable enclosed in 120V area is 10A/125V. If you are using a power supply higher than this rating, then a power cable with a rating of 10A/250V must be used. However, all guarantees and warranties are void for any problems or damage caused by a power cable not supplied by iiyama.

*[2] Accessory for ProLite XB2485WSU.

WALL MOUNTING

WARNING ■ When you use with the wall mounting, in consideration of thickness of the mounting stage, tighten the M4 Screw with washer which "L" length is 10mm to fasten the monitor. Using the screw longer than this may cause electric shock or damage because it may contact with the electrical parts inside the monitor.

■ Please check if the wall or ceiling can support the weight of the monitor before mounting it.
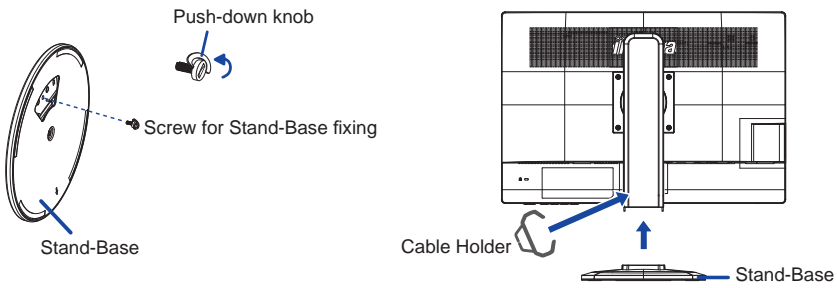
Screw

Mounting Stage

L

Chassis
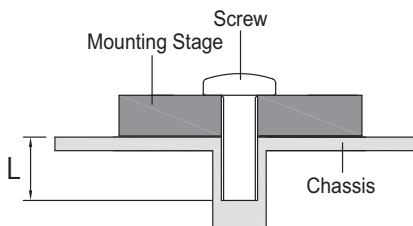
FITTING AND REMOVAL OF BASE : ProLite XB2485WSU

CAUTION
- Put the monitor on a stable surface. The monitor may cause injury or damage if it falls or is dropped.
- Do not give a strong impact to the monitor. It may cause damage.
- Unplug the monitor before removal or installation to avoid electric shock or damage.

ENGLISH

<Installation>
① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Install the Stand-Base to the Monitor.
③ Fix the Monitor to the Stand by the screw firmly and the push-down knob.
④ Place the Cable Holder.

Push-down knob

Screw for Stand-Base fixing

Stand-Base

Cable Holder

Stand-Base

<Remove>
① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Pull up the knob, then remove the screws and the Stand-Base.

FITTING AND REMOVAL OF BASE : ProLite X2485WS

CAUTION
- Put the monitor on a stable surface. The monitor may cause injury or damage if it falls or is dropped.
- Do not give a strong impact to the monitor. It may cause damage.
- Unplug the monitor before removal or installation to avoid electric shock or damage.

<Installation>

① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.

② Hold the monitor and push the Stand-Base until it clicks and is secure.
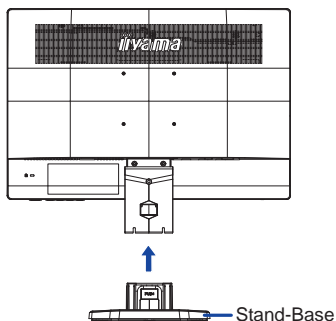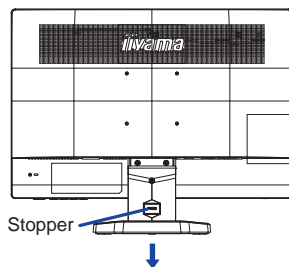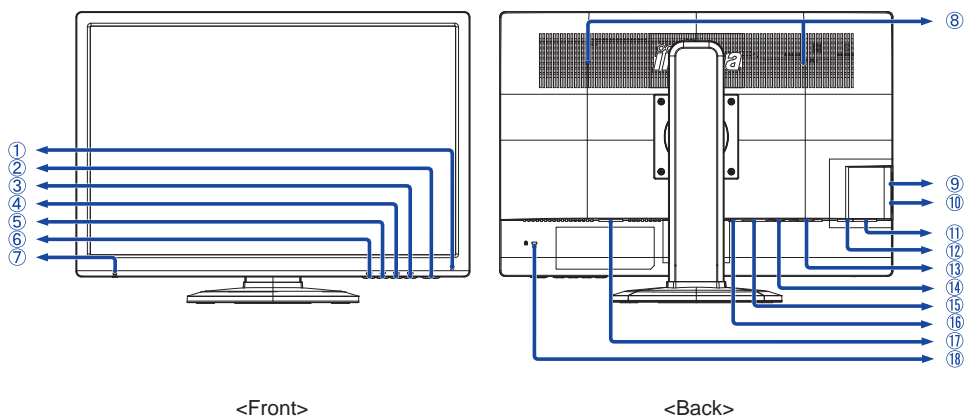

Stand-Base

<Removal>

① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.

② Press and hold the hooks inside, and pull the Stand-Base.

Stopper

CONTROLS AND CONNECTORS : ProLite XB2485WSU

<Front>   <Back>

ⓐ Power Indicator

   NOTE Blue: Normal operation
             Orange: Power Management

ⓑ Power Switch (⏻)

ⓒ Menu Button (MENU)

ⓓ Scroll Up / Volume Button (▷ / 🔊)

ⓔ Scroll Down / ECO Button (◁ / ⊘)

ⓕ Auto Button (AUTO)

ⓖ Headphone connector (🎧)

ⓗ Speakers

ⓘ USB Downstream Connector (⛛)

ⓙ USB Downstream Connector (⛛)

ⓚ USB Downstream Connector (⛛)

ⓛ USB Upstream Connector (⛛)

ⓜ DVI-D 24pin Connector (DVI)

ⓝ D-SUB mini 15pin Connector (D-SUB)

ⓞ Display Port Connector (DP)

ⓟ Audio Connector (AUDIO IN)

ⓠ AC Connector (AC IN)

ⓡ Keyhole for Security Lock

   NOTE You can fasten a security lock and cable to prevent the monitor from being removed
             without your permission.

CONTROLS AND CONNECTORS : ProLite X2485WS

<Front>   <Back>

① Power Indicator

NOTE	Blue: Normal operation
	Orange: Power Management

② Power Switch (⏻)

③ Menu Button (MENU)

④ Scroll Up / Volume Button (▷ / 🔊)

⑤ Scroll Down / ECO Button (◁ / ⊘)

⑥ Auto Button (AUTO)

⑦ Headphone connector (🎧)

⑧ Speakers

⑬ DVI-D 24pin Connector (DVI)

⑭ D-SUB mini 15pin Connector (D-SUB)
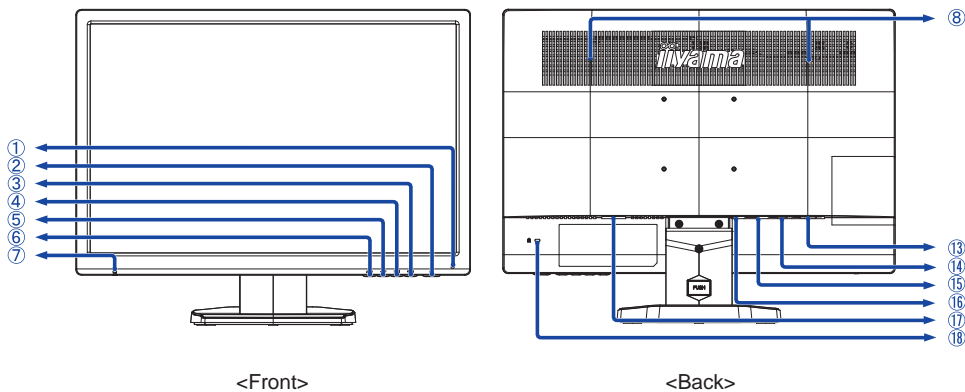
⑮ Display Port Connector (DP)

⑯ Audio Connector (AUDIO IN)

⑰ AC Connector (AC IN)

⑱ Keyhole for Security Lock

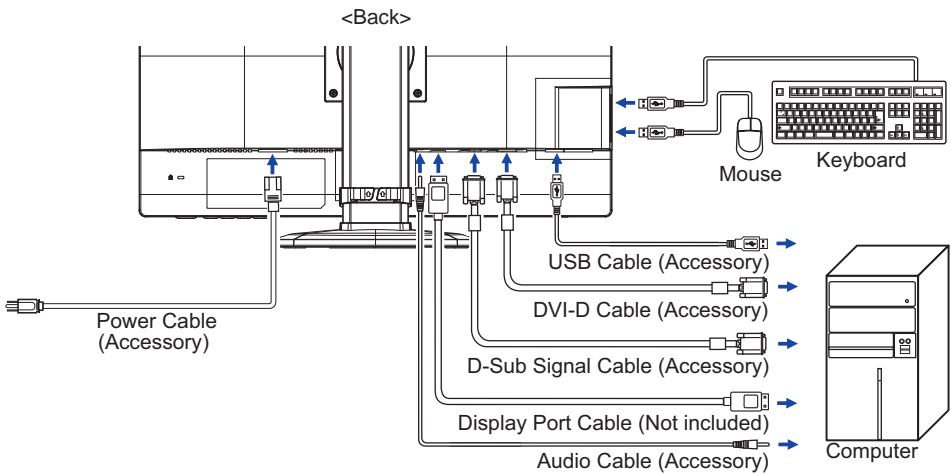| NOTE	You can fasten a security lock and cable to prevent the monitor from being removed without your permission.

CONNECTING YOUR MONITOR : ProLite XB2485WSU

① Ensure that both the computer and the monitor are switched off.

② Connect the computer to the monitor with the signal cable.

③ Connect the monitor to the audio equipment with the Audio Cable for computer when using the audio features.

④ Connect the Power Cable to the monitor first and then to the power supply.
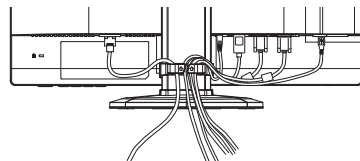
⑤ Turn on your monitor and computer.

NOTE ■ The signal cables used for connecting the computer and monitor may vary with the type of computer used. An incorrect connection may cause serious damage to both the monitor and the computer. The cable supplied with the monitor is for a standard connector. If a special cable is required please contact your local iiyama dealer or regional iiyama office.

■ For connection to Macintosh computers, contact your local iiyama dealer or regional iiyama office for a suitable adaptor.

■ Make sure you tighten the finger screws at each end of the signal cable.

■ The Class I pluggable equipment Type A must be connected to protective earth.

■ The socket-outlet shall be installed near the equipment and shall be easily accessible.

[Example of Connection]

<Back>

Mouse   Keyboard

USB Cable (Accessory)

DVI-D Cable (Accessory)

D-Sub Signal Cable (Accessory)

Display Port Cable (Not included)

Audio Cable (Accessory)   Computer

Power Cable
(Accessory)

[Collect Cables]

① Put the cables through the cable holder.
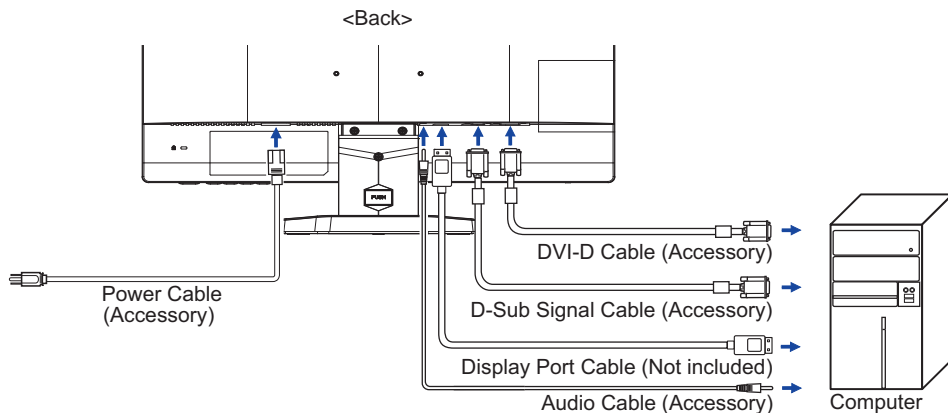
② Collect cables at the back of the stand.

ENGLISH

CONNECTING YOUR MONITOR : ProLite X2485WS

① Ensure that both the computer and the monitor are switched off.
② Connect the computer to the monitor with the signal cable.
③ Connect the monitor to the audio equipment with the Audio Cable for computer when using the audio features.
④ Connect the Power Cable to the monitor first and then to the power supply.
⑤ Turn on your monitor and computer.

NOTE ■ The signal cables used for connecting the computer and monitor may vary with the type of computer used. An incorrect connection may cause serious damage to both the monitor and the computer. The cable supplied with the monitor is for a standard connector. If a special cable is required please contact your local iiyama dealer or regional iiyama office.
■ For connection to Macintosh computers, contact your local iiyama dealer or regional iiyama office for a suitable adaptor.
■ Make sure you tighten the finger screws at each end of the signal cable.
■ The Class I pluggable equipment Type A must be connected to protective earth.
■ The socket-outlet shall be installed near the equipment and shall be easily accessible.

[Example of Connection]

<Back>

Power Cable (Accessory)

DVI-D Cable (Accessory)

D-Sub Signal Cable (Accessory)

Display Port Cable (Not included)

Audio Cable (Accessory)   Computer

ENGLISH

COMPUTER SETTING

■ Signal Timing

Change to the desired signal timing listed on page 31: COMPLIANT TIMING.

■ Windows 95/98/2000/Me/XP/Vista/7 Plug & Play

The iiyama LCD monitor complies with DDC2B of VESA standard. The Plug & Play function runs on Windows 95/98/2000/Me/XP/Vista/7 by connecting the monitor to DDC2B compliant computer with the Signal Cable supplied.

For installation on Windows 95/98/2000/Me/XP: The monitor Information File for iiyama monitors may be necessary for your computer and obtained via the Internet, using the address:

http://www.iiyama.com

NOTE ■ For additional information on how to download the driver for your touch screen monitor, please access the internet site noted above.

■ Monitor Drivers are not required in most cases for Macintosh or Unix operating systems. For further information, please contact your computer dealer first for advice.

ADJUSTING THE VIEWING ANGLE : ProLite X2485WS

■ For optimal viewing it is recommended to look at the full face of the monitor.

■ Hold the stand so that the monitor does not topple when you change the monitor's angle.

■ You are able to adjust the monitor's angle up to 22 degrees upward and 5 degrees downward.

■ In order to ensure a healthy and relaxed body position when using the monitor at visual display workstations, it is recommended that the adjusted tilt angle should not exceed 10 degrees. Adjust the monitor's angle to your own preference.
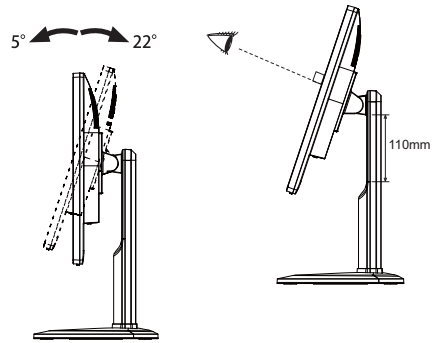
NOTE ■ Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.

■ Careful attention is required not to catch your fingers or hands when you change the angle.

■ Do not tilt the post beyond 20 degrees except when repacking the monitor in its box.

To do so may cause the monitor to fall over and break.
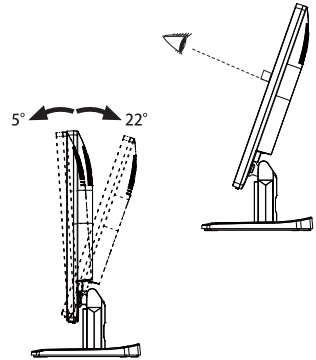
ADJUSTING THE HEIGHT AND THE VIEWING ANGLE : ProLite XB2485WSU

■ For optimal viewing it is recommended to position yourself directly opposite to the full face of the monitor, then adjust the monitor's height and angle to your own preference.

■ Hold the panel so that the monitor does not topple when you change the monitor's height or angle.

■ You are able to adjust the monitor's height up to 110mm, angle up to 160 degrees right and left, 22 degrees upward and 5 degrees downward.

NOTE
■ Do not touch the LCD screen when you change the height or the angle. It may cause damage or break the LCD screen.
■ Careful attention is required not to catch your fingers or hands when you change the height or the angle.
■ Injury can occur if care is not taken to avoid finger contact with the displays base when adjusting the height.

Monitor
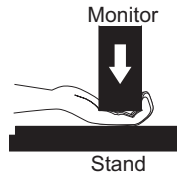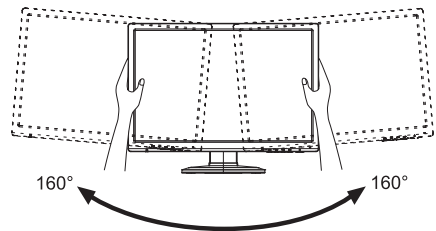
Stand

## PANEL ROTATION : ProLite XB2485WSU

① Adjust the mother's height.
② Rotate the panel 90 degrees.
   Portrait: Turn clockwise.
   Landscape: Turn counter clockwise.

   NOTE
   ■ Attempting to rotate without fully extending upward may cause damage to stand.
   ■ Video card for portrait display will be required for rotating the image on the screen.

③ Adjust the monitor's angle to your preference.
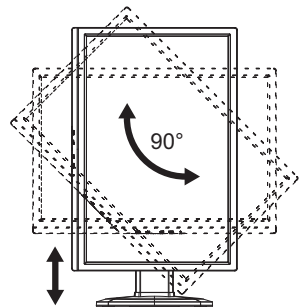
OPERATING THE MONITOR

To create the best picture, your iiyama LCD monitor has been preset at the factory with the COMPLIANT TIMING shown on page 31. You are also able to adjust the picture by following the button operation shown below. For more detailed adjustments, see page 22 for SCREEN ADJUSTMENTS.

① **Press the MENU Button to start the On Screen Display feature. There are additional Menu items which can be switched by using the ◀ / ▶ Buttons.**
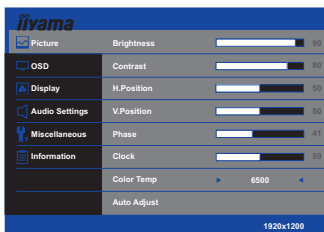
② **Select the Menu item which contains the adjustment icon relating to the adjustment you want to make. Press the MENU Button. Then, use the ◀ / ▶ Buttons to highlight the desired adjustment icon.**

③ **Press the MENU Button again. Use the ◀ / ▶ Buttons to make the appropriate adjustment or setting.**

④ **Press the AUTO Button to leave the menu, and the settings you just made would be automatically saved.**

For example, to correct for vertical position, select Menu item of Picture and then press the MENU Button. Then, select V.Position by using the ◀ / ▶ Buttons.

An adjustment page appears after you press the MENU Button. Then, use the ◀ / ▶ Buttons to change the vertical position settings. The vertical position of the overall display should be changing accordingly while you are doing this.

Press the AUTO Button lastly, it ends, all changes are saved in the memory.
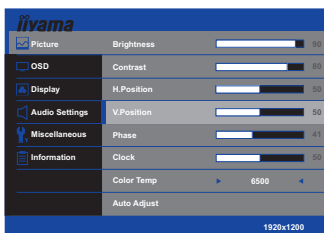
NOTE

■ When button operations are aborted during adjustment, On-Screen Display disappears when the time set for the OSD Timeout has passed. Also, press the AUTO button to quickly turn off the On-Screen Display.

■ Any changes are automatically saved in the memory when the On Screen Display disappears. Turning off the power should be avoided while using the Menu.

■ Adjustments for H. / V. Position, Clock and Phase are saved for each signal timing. Except for these adjustments, all other adjustments have only one setting which applies to all signal timings.

ADJUSTMENT MENU CONTENTS

	Picture

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Picture	Brightness ▭ 50
OSD	Contrast ▭ 80
Display	H.Position ▭ 50
Audio Settings	V.Position ▭ 50
Miscellaneous	Phase ▭ 41
Information	Clock ▭ 50
	Color Temp ▶ 6500 ◀
	Auto Adjust

1920x1200
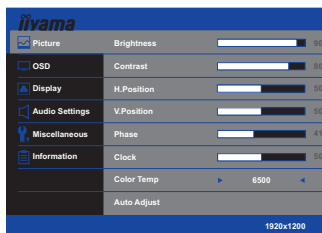
Adjustment Item	Problem / Option		Button to Press
Brightness*[1,5,6]	Too dark		👆 ▶
	Too bright		👆 ◀
Contrast *[5]	Too dull		👆 ▶
	Too intense		👆 ◀
H. Position*[2,3]	▫ Too left		👆 ▶
	▫ Too right		👆 ◀
V. Position*[2,3]	▫ Too low		👆 ▶
	▫ Too high		👆 ◀
Phase*[2,3]	To correct flickering text or lines		👆 ▶
			👆 ◀
Clock*[2,3]	▫ Too narrow		👆 ▶
	▫ Too wide		👆 ◀
Color Temp	6500	Reddish white	
	7500	Yellowish white	
	9300	Bluish white	
	sRGB	sRGB	
	User	Red	Too weak 👆 ▶
		Green	Too strong 👆 ◀
		Blue	
	Matrix	Red	
		Green	
		Blue	You can set the Colours. 👆 ▶
		Cyan	👆 ◀
		Magenta	
		Yellow	
Auto Adjust*[3,4]	Adjust H. / V. Position, Clock and Phase automatically.		**Direct**

*[1] Adjust the Brightness when you are using the monitor in a dark room and feel the screen is too bright.
*[2] See page 22 for SCREEN ADJUSTMENTS.
*[3] Only Analog Input.
*[4] For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 22 for SCREEN ADJUSTMENTS.
*[5] Contrast and Brightness adjustment disabled when i-Style Color is set to Game or Movie or Text or Scenery.
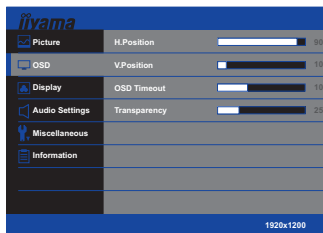*[6] Brightness adjustment disabled when Adv. Contrast is active or when ECO Mode is active.

Direct

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

● Auto Adjust: Press the Auto Button when the Menu is not displayed.

OSD

	iiyama	
Picture	H.Position	▭▭▭▭▭▭ 90
OSD	V.Position	▭ 10
Display	OSD Timeout	▭▭▭ 10
Audio Settings	Transparency	▭▭ 25
Miscellaneous		
Information		
		1920x1200

Adjustment Item	Problem / Option	Button to Press
H.Position	OSD is too left OSD is too right	
V.Position	OSD is too low OSD is too high	
OSD Timeout	You can set the OSD display duration time between 5 and 30 seconds.	
Transparency	You can set the transmittance of the OSD background.	

ENGLISH

⚙ **Display**	

```
iiyama
 🖼 Picture          Display Mode      ▶    Full      ◀
 ▭ OSD              i-Style Color     ▶    Standard   ◀
 🖵 Display          Adv. Contrast     ▶    Off       ◀
 🔧 Audio Settings   ECO Mode          ▶    Off       ◀
 🔧 Miscellaneous    Sharpness         [▭▭▭▭▭▭       ] 50
 📄 Information       Over Drive        [▭▭▭▭▭▭       ]  0
                    Gamma             ▶    2.2       ◀

                                           1920x1080
```

Adjustment Item	Problem / Option		Button to Press
Display Mode	Full	Expansion display	
	Aspect	Expansion display of Aspect	
	1:1	Displayed at the same magnification	
i-Style Color *[1,2]	Standard	For general windows environment and monitor default setting.	
	Text	For text editing and viewing in a word processing environment.	
	Cinema	For movie and video environment.	
	Game	For PC game environment.	
	Scenery	For displaying outdoor scenery images	
Adv. Contrast *[2]	Off	Typical Contrast Ratio	
	On	Increased Contrast Ratio	
ECO Mode *[1]	Off	Normal	
Direct	Mode1	Brightness of back-light is reduced.	
	Mode2	Brightness of back-light is reduced more than Mode1.	
	Mode3	Brightness of back-light is reduced more than Mode2.	
Sharpness	Too soft Too sharp		👆 ▶ 👆 ◀
Over Drive	Off / -2 / -1 / 0 / +1 / +2 It will improve the gray level response time of the LCD panel. A higher level results in a faster response time.		👆 ▶ 👆 ◀
Gamma	1.8 / 2.0 / 2.2 / 2.4 You can set the Gamma.		👆 ▶ 👆 ◀

*[1] i-Style Color and ECO Mode cannot be adjusted and selected while Adv. Contrast is active.
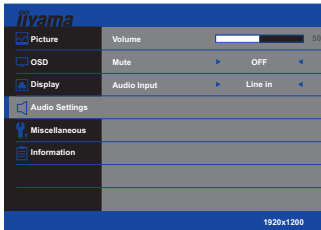
*[2] i-Style Color and Adv. Contrast cannot be adjusted and selected while ECO Mode is active.

Direct

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

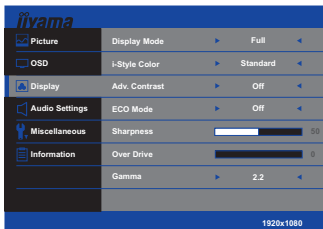● ECO Mode: Press the ◀ Button when the Menu is not displayed.

Audio Settings	iiyama Picture Volume 50 OSD Mute ► OFF ◄ Display Audio Input ► Line in ◄ Audio Settings Miscellaneous Information 1920x1200

Adjustment Item	Problem / Option		Button to Press
Volume **Direct**	Too soft Too loud		► ◄
Mute	ON	Turn off the sound temporarily.	
	OFF	Return the sound volume to the previous level.	
Audio Input*	Line in	Select the LINE IN input.	
	DP	Select the DP input.	

* Suitable for Display Port input only.

Direct

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

● Volume: Press the ► Button when the Menu is not displayed.

	Miscellaneous	

iiyama

Picture	Language	▶ English ◀	
OSD	Input Select	Auto	
Display	Opening Logo	Off	
Audio Settings	After AC Cut	Off	
Miscellaneous	Reset		
Information			
			1920x1200

Adjustment Item	Problem / Option			Button to Press
Language	English	English	Nederlands	Dutch
	Deutsch	German	繁體中文	Traditional Chinese
	Français	French	简体中文	Simplified Chinese
	Español	Spanish	日本語	Japanese
	Italiano	Italian	Русский	Russian
Input Select **Direct**	Auto	Select the signal input automatically.		
	VGA	Select the D-SUB input.		
	DVI	Select the DVI input.		
	Displayport	Select the Display Port input.		

NOTE	However it will automatically be selected when just one source is using. In Power Management Mode input switching is disabled. Input source is fixed, not selected automatically when VGA, DVI and Display Port which are selected.

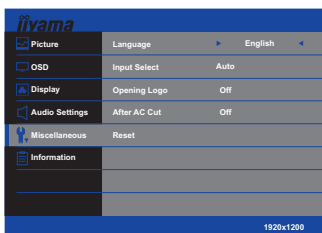|		
Opening Logo	On	iiyama Logo displayed when the monitor is turned on.
	Off	iiyama Logo does not display when the monitor is turned on.
After AC Cut	On	Monitors stays in off mode when power is back. **NOTE** To turn the monitor back on, press the power switch.
	Off	When power is back, the monitor returns to the mode it was in before AC loss.
Reset	Factory-preset data is restored.	

Direct

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

● Input Select: Pressing and holding of the AUTO Button for 3 seconds when the Menu is not displayed.

Information
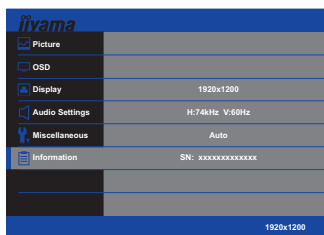
Adjustment Item	Problem / Option	Button to Press
Information	Displays information regarding the current input signal coming from the graphic card in your computer. **NOTE** See your graphic card user guide for more information about changing the resolution and refresh.	

SCREEN ADJUSTMENTS

Adjust the image by following the procedure below to get the desired picture when selecting Analog input.

- The screen adjustments described in this manual are designed to set image position and minimize flicker or blur for the particular computer in use.
- The monitor is designed to provide the best performance at resolution of 1920 × 1200, but can not provide the best at resolutions of less than 1920 × 1200 because the picture is automatically stretched to fit the full screen. It is recommended to operate at resolution of 1920 × 1200 in normal use.
- Displayed text or lines will be blurred or irregular in thickness when the picture is stretched due to the screen enlargement process.
- It is preferable to adjust the image position and frequency with the monitor controls, rather than the computer software or utilities.
- Perform adjustments after a warm-up period of at least thirty minutes.
- Additional adjustments may be required after the Auto Image Adjust depending on the resolution or signal timing.
- The Auto Image Adjust may not work correctly when displaying the picture other than the screen adjustment pattern. In this case, manual adjustments are required.

There are two ways to adjust the screen. One way is automatic adjustment for Position, Clock and Phase. The other way is performing each adjustment manually.

Perform the Auto Image Adjust first when the monitor is connected to a new computer, or resolution is changed. If the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Image Adjust, manual adjustments are required. Both adjustments should be made by using the screen adjustment pattern (Test.bmp) obtained via the IIYAMA web site (http://www.iiyama.com).

Adjust the image by following the procedure below to get the desired picture.

This manual explains adjustment under Windows 95/98/2000/Me/XP/Vista/7.

① **Display the picture at the optimum resolution.**

② **Enter the Test.bmp (screen adjustment pattern) to wallpaper.**

NOTE
- Consult the appropriate documentation for doing this.
- Test.bmp is made at resolution of 1280 × 1024. Set the display position to center in the wallpaper setting dialogue box. If you use Microsoft® PLUS! 95/98 cancel the setting of "Stretch desktop wallpaper to fit the screen".

[Adjustment pattern]

Color bar

Zebra pattern

Picture frame

ENGLISH
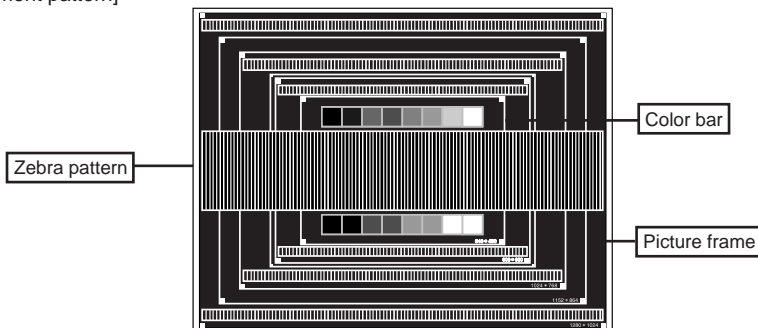
③ **Press the Auto Button. (Auto Adjust)**

④ **Adjust the image manually by following procedure below when the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Image Adjust.**

⑤ **Adjust the V.Position so that the top and bottom of the picture frame will fit to the display area.**

⑥ **1) Adjust the H.Position so that the left side of the picture frame will move to the left edge of the display area.**
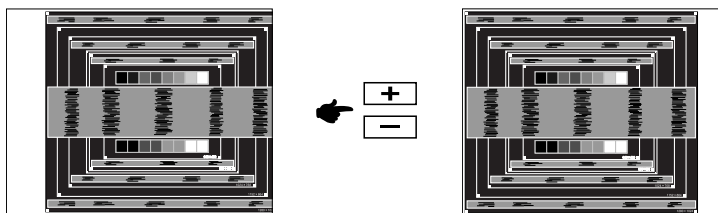
2) Stretch the right side of the picture frame to the right edge of the display area by adjusting the Clock.

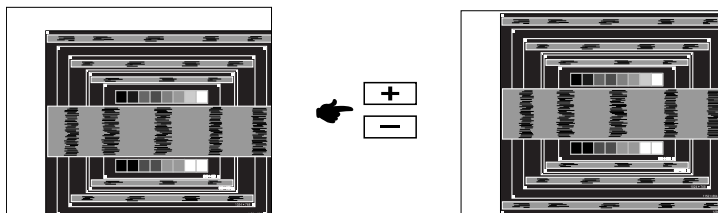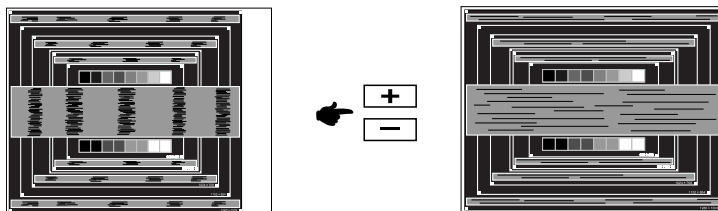| NOTE	■ When the left side of the picture frame moves apart from the left edge of the display area during the Clock adjustment, adjust steps 1) and 2).

■ Another way to make the Clock adjustment is to correct the vertical wavy lines in the zebra pattern.

■ The picture may flicker during the Clock, H.Position and V.Position adjustment.

■ In case the picture frame is bigger or smaller than the data display area after the Clock adjustment, repeat steps from ③.

⑦ **Adjust the Phase to correct horizontal wavy noise, flicker or blur in the zebra pattern.**
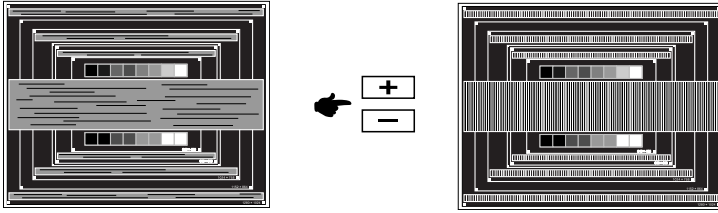
NOTE ■ In case the strong flicker or blurs remain on a part of the screen, repeat steps ⑥ and ⑦ because the Clock may not be adjusted correctly. If the flicker or blurs still remain, set the refresh rate of computer to low (60Hz) and repeat steps from ③ again.

■ Adjust the H.Position after the Phase adjustment if the horizontal position moves during the adjustment.

⑧ **Adjust the Brightness and Color to get the desired picture after you complete the Clock and Phase adjustments.**

Put back your favorite wallpaper.

POWER MANAGEMENT FEATURE

The power management feature of this product complies with power saving requirement of ENERGY STAR® and VESA DPMS. When activated, it automatically reduces unnecessary power consumption of the monitor when your computer is not in use.

To use the feature, the monitor needs to be connected to a VESA DPMS compliant computer. There is a power management step the monitor takes as described below. The power management function, including any timer settings is configured by the operating system. Check your operating system manual for information on how this can be configured.

■ Power Management Mode

When the H-sync signal / V-sync signal / H and V sync signals from the computer are off, the monitor enters into Power Management Mode which reduces the power consumption to less than 0.5W. The screen becomes dark, and the power indicator turns to orange. From Power Management Mode, the image reappears in several seconds when either the keyboard or the mouse are touched again.

Power Indicator

| NORMAL MODE | Blue |
| POWER MANAGEMENT MODE | Orange |

POWER CONSUMPTION   0   0.5W   100%
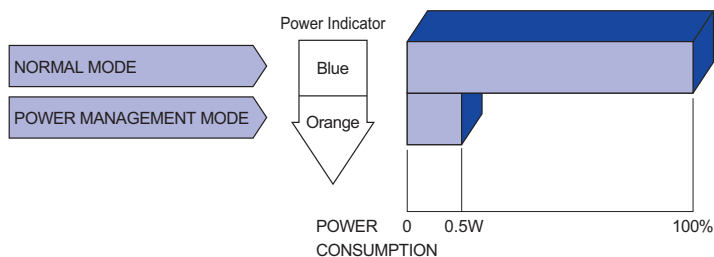
| NOTE | ■ Even when using the power management mode, the monitor consumes electricity. Turn off the Power Switch whenever the monitor is not in use, during the night and weekends, to avoid unnecessary power consumption.

■ It is possible that the video signal from the computer may be on while the H or V sync signal is missing. In this instance, the POWER MANAGEMENT feature may not work properly. |

TROUBLE SHOOTING

If the monitor fails to operate correctly, please follow the steps below for a possible solution.

1. Perform the adjustments described in OPERATING THE MONITOR, depending on the problem you have. If the monitor does not get a picture, skip to 2.

2. Consult the following items if you cannot find an appropriate adjustment item in OPERATING THE MONITOR or if the problem persists.

3. If you are experiencing a problem which is not described below or you cannot correct the problem, discontinue using the monitor and contact your dealer or iiyama service center for further assistance.

Problem	Check
① The picture does not appear.	
(Power indicator does not light up.)	☐ The Power Cable is firmly seated in the socket.
	☐ The Power Switch is turned ON.
	☐ The AC socket is live. Please check with another piece of equipment.
(Power indicator is blue.)	☐ If the blank screen saver is in active mode, touch the keyboard or the mouse.
	☐ Increase the Contrast and/or Brightness.
	☐ The computer is ON.
	☐ The Signal Cable is properly connected.
	☐ The signal timing of the computer is within the specification of the monitor.
(Power indicator is orange.)	☐ If the monitor is in power management mode, touch the keyboard or the mouse.
	☐ The computer is ON.
	☐ The Signal Cable is properly connected.
	☐ The signal timing of the computer is within the specification of the monitor.
② The screen is not synchronized.	☐ The Signal Cable is properly connected.
	☐ The signal timing of the computer is within the specification of the monitor.
	☐ The video output level of the computer is within the specification of the monitor.
③ The screen position is not in the center.	☐ The signal timing of the computer is within the specification of the monitor.
④ The screen is too bright or too dark.	☐ The video output level of the computer is within the specification of the monitor.
⑤ The screen is shaking.	☐ The power voltage is within the specification of the monitor.
	☐ The signal timing of the computer is within the specification of the monitor.

Problem	Check
⑥ No sound.	☐ The audio equipment (computer etc.) is ON.
	☐ The Audio Cable is properly connected.
	☐ The Volume is turned up.
	☐ The audio output level of the audio equipment is within the specification of the monitor.
⑦ The sound is too loud or too quiet.	☐ The audio output level of the audio equipment is within the specification of the monitor.
⑧ A strange noise is heard.	☐ The Audio Cable is properly connected.

RECYCLING INFORMATION

For better environment protection please don't dispose your monitor.
Please visit our web site: www.iiyama.com/recycle for monitor recycling.

APPENDIX

Design and specifications are subject to change without prior notice.

SPECIFICATIONS : ProLite XB2485WSU

Size Category		24.1"
LCD Panel	Panel technology	IPS
	Size	Diagonal: 24.1" (61.13cm)
	Pixel pitch	0.27mm H × 0.27mm V
	Brightness	300cd/m^2 (Typical)
	Contrast ratio	1000 : 1 (Typical)
	Viewable angle	Right / Left: 89 degrees each, Up / Down: 89 degrees each (Typical)
	Response time	5ms (Gray to Gray)*[1]
Display Colours		Approx.16.7M
Sync Frequency		Analog: Horizontal: 30.0-94.0kHz, Vertical: 50-75Hz
		Digital: Horizontal: 30.0-80.0kHz, Vertical: 50-75Hz
Maximum Resolution		1920 × 1200, 2.3 MegaPixels
Input Connector		D-Sub mini 15 pin, DVI-D 24 pin, Display Port
Plug & Play		VESA DDC2B^{TM}
Input Sync Signal		Separate sync: TTL, Positive or Negative
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive
		Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance
		Digital: Display Port (Ver. 1.2)
USB Standard		USB2.0
Number of USB Ports Connector shape		1 Upstream : Series B
		4 Downstream : Series A
Input Audio Connector		ø 3.5mm mini jack (Stereo)
Input Audio Signal		1.0Vrms maximum
Speakers		1.5W × 2 (Stereo speakers)
Maximum Screen Size		518.4mm W × 324.0mm H / 20.4" W × 12.8" H
Power Source		100-240VAC, 50/60Hz, 1.5A
Power Consumption*[2]		36W typical, Power management mode: 0.5W maximum
Dimensions / Net Weight		561.0 × 416.0 - 526.0 × 244.5mm / 22.1 × 16.4 - 20.7 × 9.6" (W×H×D)
		6.4kg / 14.1lbs
Tilt Angle		Upward: 22 degrees, Downward: 5 degrees, Left/Right: 160 degrees each
Environmental Considerations		Operating: Temperature 5 to 35°C / 41 to 95°F
		Humidity 10 to 80% (No condensation)
		Storage: Temperature -20 to 60°C / -4 to 140°F
		Humidity 5 to 85% (No condensation)
Approvals		TCO Certified, CE, TÜV-GS, VCCI-B, CU, ENERGY STAR$^®$

NOTE *[1] When set to Over Drive +2.

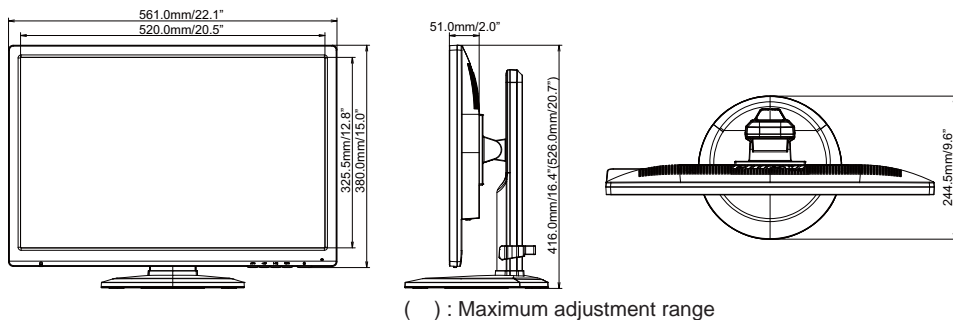*[2] Condition: USB peripherals and audio-video equipment are not connected.

ENGLISH

SPECIFICATIONS : ProLite X2485WS

Size Category		24.1"
LCD Panel	Panel technology	IPS
	Size	Diagonal: 24.1" (61.13cm)
	Pixel pitch	0.27mm H x 0.27mm V
	Brightness	300cd/m^2 (Typical)
	Contrast ratio	1000 : 1 (Typical)
	Viewable angle	Right / Left: 89 degrees each, Up / Down: 89 degrees each (Typical)
	Response time	5ms (Gray to Gray)*[1]
Display Colours		Approx.16.7M
Sync Frequency		Analog: Horizontal: 30.0-94.0kHz, Vertical: 50-75Hz
		Digital: Horizontal: 30.0-80.0kHz, Vertical: 50-75Hz
Maximum Resolution		1920 x 1200, 2.3 MegaPixels
Input Connector		D-Sub mini 15 pin, DVI-D 24 pin, Display Port
Plug & Play		VESA DDC2B™
Input Sync Signal		Separate sync: TTL, Positive or Negative
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive
		Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance
		Digital: Display Port (Ver. 1.2)
Input Audio Connector		ø 3.5mm mini jack (Stereo)
Input Audio Signal		1.0Vrms maximum
Speakers		1.5W x 2 (Stereo speakers)
Maximum Screen Size		518.4mm W x 324.0mm H / 20.4" W x 12.8" H
Power Source		100-240VAC, 50/60Hz, 1.5A
Power Consumption*[2]		36W typical, Power management mode: 0.5W maximum
Dimensions / Net Weight		561.0 x 449.0 x 216.5mm / 22.1 x 17.7 x 8.5" (WxHxD)
		4.6kg / 10.1lbs
Tilt Angle		Upward: 22 degrees, Downward: 5 degrees
Environmental Considerations		Operating: Temperature 5 to 35°C / 41 to 95°F
		Humidity 10 to 80% (No condensation)
		Storage: Temperature -20 to 60°C / -4 to 140°F
		Humidity 5 to 85% (No condensation)
Approvals		TCO Certified, CE, TÜV-GS, VCCI-B, CU, ENERGY STAR®

NOTE   *[1] When set to Over Drive +2.

*[2] Audio equipment is not connected.

DIMENSIONS : ProLite XB2485WSU

561.0mm/22.1"
520.0mm/20.5"
51.0mm/2.0"
325.5mm/12.8"
380.0mm/15.0"
416.0mm/16.4"(526.0mm/20.7")
244.5mm/9.6"

(   ) : Maximum adjustment range

DIMENSIONS : ProLite X2485WS

561.0mm/22.1"
520.0mm/20.5"
51.0mm/2.0"
325.5mm/12.8"
380.0mm/15.0"
449.0mm/17.7"
234.5mm/9.2"
216.5mm/8.5"
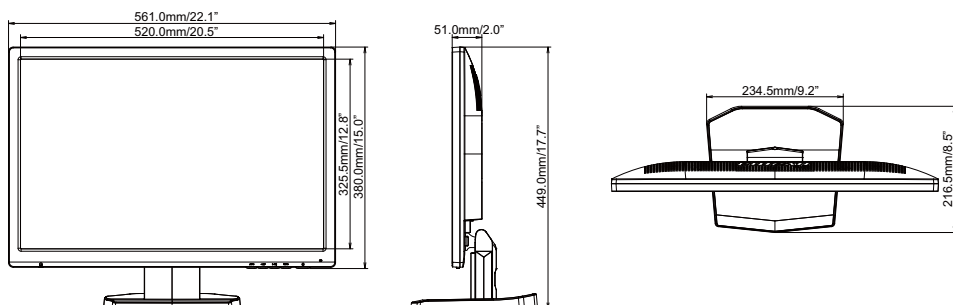
COMPLIANT TIMING

Video Mode			Horizontal Frequency	Vertical Frequency	Dot Clock
VESA	VGA	640 × 480	31.469kHz	59.940Hz	25.175MHz
			37.500kHz	75.000Hz	31.500MHz
			37.861kHz	72.809Hz	31.500MHz
	SVGA	800 × 600	35.156kHz	56.250Hz	36.000MHz
			37.879kHz	60.317Hz	40.000MHz
			46.875kHz	75.000Hz	49.500MHz
			48.077kHz	72.188Hz	50.000MHz
	XGA	1024 × 768	48.363kHz	60.004Hz	65.000MHz
			56.476kHz	70.069Hz	75.000MHz
			60.023kHz	75.029Hz	78.750MHz
	SXGA	1280 × 1024	63.981kHz	60.020Hz	108.000MHz
			79.976kHz	75.025Hz	135.000MHz
	WXGA+	1440 × 900	55.935kHz	59.887Hz	106.500MHz
	WSXGA+	1680 × 1050	65.290kHz	60.000Hz	146.250MHz
	Full HD	1920 × 1080	66.590kHz	59.930Hz	138.500MHz
	WUXGA	1920 × 1200	74.038kHz	59.950Hz	154.000MHz